

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)
Docket Number (Optional) **A1186cn1**Application Number **unknown**Applicant **Burbank et al.**Filing Date **herewith**Group Art Unit ~~3304~~ **3736****U. S. PATENT DOCUMENTS**

EXAMINE R INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	RULING DATE IF APPROPRIATE
<i>MAA</i>	3	5	9	0	8	0	8	7/71	Muller			
<i>MAA</i>	3	6	0	0	0	7	8	9/71	Kellogg, Jr.			
<i>MAA</i>	3	8	4	4	2	7	2	10/74	Banko			
<i>MTD</i>	4	0	9	9	5	1	8	7/78	Baylis et al.			
<i>MAA</i>	4	6	0	0	0	1	4	7/86	Beraha	128	754	
<i>MAA</i>	4	6	4	4	9	5	1	2/87	Bays			
<i>MAA</i>	4	6	5	1	7	5	3	3/87	Lifton	128	751	
<i>MAA</i>	4	6	8	1	1	2	3	7/87	Valtchev	128	753	
<i>MAA</i>	4	7	2	9	7	6	4	3/88	Gualtier	604	38	
<i>MAA</i>	4	7	8	1	2	0	2	11/88	Janese	128	754	
<i>MAA</i>	4	0	5	0	3	7	3	7/89	Zatloukal et al.	128	749	
<i>MAA</i>	4	9	1	9	1	4	6	4/90	Rhinehart et al.	128	782	
<i>MAA</i>	4	9	2	4	0	7	8	5/90	Nottke	128	751	
<i>MAA</i>	4	9	4	0	0	6	1	7/90	Terwilliger et al.	128	749	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
												YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	"CORE TISSUE BIOPSY - Using the Bard® Biopsy® System" -- Fred Burbank, MD, pub. status and dates unknown, 12 pgs.
	✓	
<i>MAA</i>	2	"ASAP™ - Automatic Soft Biopsy System" -- Microvasive® - Boston Scientific Corp; 1992; 2 pgs.
<i>MAA</i>	3	"New! from BARD® RADIOLOGY - When It Comes To Core Samples, I Demand Accuracy and Consistency for All My Patients." Bard Radiology; 1987; 4 pgs.
<i>MAA</i>	4	"NUCLEOTOME® SYSTEM - Automated Percutaneous Lumbar Discectomy™" Surgical Dynamics®; 1990; 4 pgs.

EXAMINER

*LT O. Rosenberg*

DATE CONSIDERED

*7/14/98*

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<i>MAA</i>	Re.		3	3	2	5	8	7/90	Onik et al.	604	22	
<i>MAA</i>	4	9	5	8	6	2	5	9/90	Bates et al.	128	754	
<i>MAA</i>	4	9	7	6	2	6	9	12/90	Mehl	128	754	
<i>MAA</i>	5	0	3	1	6	3	4	7/91	Simon	128	754	
<i>MAA</i>	5	0	4	8	5	3	8	9/91	Terwilliger et al.	128	754	
<i>MAA</i>	5	1	2	5	4	1	3	6/92	Baran	128	754	
<i>MAA</i>	Re		3	4	0	5	6	9/92	Lindgren et al.	128	754	
<i>MAA</i>	5	1	7	4	3	0	0	12/92	Bales et al.	128	751	
<i>MAA</i>	5	1	8	3	0	5	2	2/93	Terwilliger	128	753	
<i>MAA</i>	5	1	8	3	0	5	4	2/93	Burkholder et al.	128	754	
<i>MAA</i>	5	1	8	8	1	1	8	2/93	Terwilliger	128	753	
<i>MAA</i>	5	1	9	5	5	3	3	3/93	Chin et al.	128	754	
<i>MAA</i>	5	1	9	7	4	8	4	3/93	Kornberg et al.	128	754	
<i>MAA</i>	5	2	1	7	4	5	8	6/93	Parins	606	48	
<i>MAA</i>	5	2	1	7	4	7	9	6/93	Shuler	606	180	
<i>MAA</i>	5	2	2	4	4	7	0	7/93	Schnepp-Pesch et al.	128	753	
<i>MAA</i>	5	2	3	4	0	0	0	8/93	Hakky et al.	128	754	
<i>MAA</i>	5	2	4	0	0	1	1	8/93	Assa	128	751	
<i>MAA</i>	5	2	4	3	9	9	4	9/93	Ranalletta	128	754	
<i>MAA</i>	5	2	4	9	5	8	3	10/93	Mallaby	128	754	
<i>MAA</i>	5	2	5	5	6	8	8	10/93	Gilliard	128	753	
<i>MAA</i>	3	9	2	9	1	2	3	12/75	Jamshidi			
<i>MAA</i>	4	6	8	1	1	2	3	7/87	Valtchev			
<i>MAA</i>	5	3	9	4	8	8	7	3/95	Haaga	128	754	
<i>MAA</i>	5	5	6	0	3	7	3	10/96	DeSantis	128	753	

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## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	RULING DATE IF APPROPRIATE
AAA	3	7	3	4	0	9	9	5-73	Bender et al.	128	305	
AAA	4	2	6	0	1	0	6	4-80	Douvas et al.	128	305	
AAA	4	2	0	3	4	4	4	5-80	Bonnell et al.	128	276	
AAA	4	2	1	6	1	4	6	7-80	Banko	128	305	
AAA	4	2	4	3	0	4	8	1-81	Griffin	128	751	
AAA	4	4	6	1	3	0	5	7-84	Cibley	128	754	
AAA	4	5	3	7	9	7	7	5-85	Frost	604	22	
AAA	4	6	9	9	1	5	4	10-87	Lindgren	128	754	
AAA	4	7	0	0	1	4	7	11-87	Haaga	128	753	
AAA	4	7	0	2	2	6	1	10-87	Cornell et al.	128	754	
AAA	4	7	3	3	6	7	1	3-88	Mehl	128	754	
	4	7	3	5	2	4	5	4-88	Goto et al.	128	754	
AAA	4	8	4	4	0	8	8	7-89	Kambin	128	753	
AAA	4	8	9	3	6	3	5	1-90	de Groot et al.	128	754	
AAA	4	9	4	4	3	9	8	7-90	Akerfeldt	128	751	
AAA	4	9	0	6	5	8	3	10-90	Debbas	604	98	
AAA	4	9	7	1	0	6	7	11-90	Bolduc et al.	128	751	
AAA	4	9	9	1	5	9	2	2-91	Christ	128	754	
AAA	5	1	6	8	3	8	1	4-92	Kolozsi	604	319	
AAA	5	1	1	1	8	2	8	5-92	Kornberg et al	128	754	
AAA	5	1	3	3	3	5	9	7-92	Kedem	128	754	
AAA	5	1	3	3	3	6	9	7-92	Spears	128	754	
AAA	5	2	2	4	4	8	8	7-93	Neuffer	128	751	
AAA	5	2	8	2	4	7	6	2-94	Terwilliger	128	753	
AAA	5	2	8	4	1	5	6	2-94	Schramm et al.	128	754	

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H. K. K. K.

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	RULING DATE IF APPROPRIATE
MAA	5	3	0	1	6	8	4	4-94	Ogirala	128	754	
MAA	5	3	1	3	9	5	8	5-94	Bauer	128	754	
MAA	5	3	1	6	0	1	3	5-94	Striebal, II et al.	128	754	
MAA	5	3	2	0	1	1	0	6-94	Wang	128	753	
MAA	5	3	2	4	3	0	0	6-94	Elias et al.	606	180	
MAA	5	3	3	3	6	1	9	8-94	Burgio	128	754	
MAA	5	3	3	5	6	7	2	8-94	Bennett	128	754	
MAA	5	3	3	6	1	7	6	8-94	Yoon	604	51	
MAA	5	3	4	1	8	1	6	8-94	Allen	128	754	
MAA	5	3	4	8	0	2	2	9-94	Leigh et al.	128	753	
MAA	5	3	5	3	8	0	4	10-94	Kornberg et al.	128	754	
MAA	5	3	6	8	0	4	5	11-94	Clement et al.	128	754	
MAA	2	9	1	9	6	9	2	1-60	Ackermann	128	754	
MAA	5	0	0	5	5	8	5	4-91	Mazza	128	754	
MAA	3	7	3	2	8	5	8	5-73	Banko	128	753	
MAA	4	3	0	6	5	7	0	12-81	Matthews	128	754	
MAA	4	7	0	2	2	6	0	10-87	Wang	128	753	
MAA	4	6	5	1	7	5	3	3-87	Lifton	128	751	
MAA	2	7	0	5	9	4	9	4-55	Silverman			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
1000	WO 93/14707								8-93	PCT (Andreas)				
1001	0	3	7	8	6	9	2	7-90	Europe (Sogawa)					
1002	0	4	4	2	8	5	1	8-91	Europe (Caponi)					
1003	C	9	3	5	6	2	5	5-55	Germany (Bodendieck et al)					
1004	WO; A, 93 22972								11-93	Europe, WO 93				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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	7/14/85

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